

## Anti-FKBP52 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

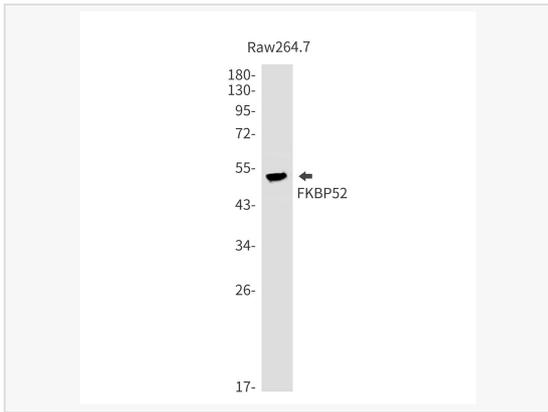
Catalog # R013650

### Product Information

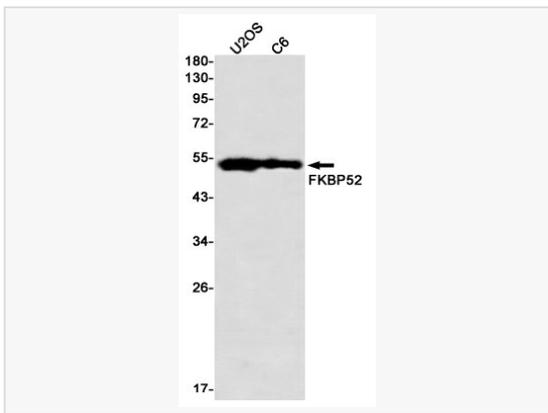
Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	21M93K86
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human FKBP52
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-FKBP52 antibody [21M93K86] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

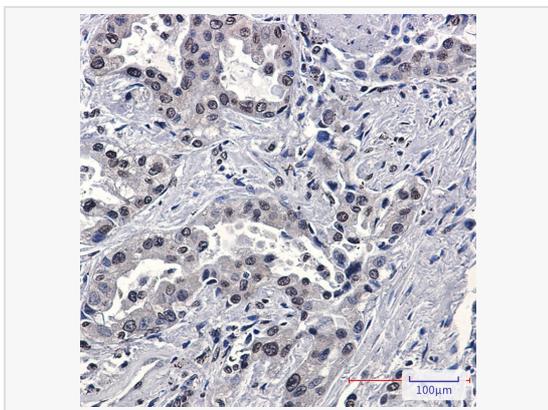
Synonyms	51 kDa FK506-binding protein, 52 kDa FK506 binding protein, 52 kDa FK506-binding protein, 52 kDa FKBP, 59 kDa immunophilin, FK506 binding protein 4, FK506-binding protein 4, FKBP52, FKBP 59, FKBP-4, FKBP-52, FKBP4, FKBP4_HUMAN, FKBP51, FKBP52 protein, FKBP59, HBI, Hsp 56, HSP binding immunophilin, HSP-binding immunophilin, Hsp56, Immunophilin FKBP52, N-terminally processed, p52, p59, p59 protein, Peptidyl prolyl cis trans isomerase, peptidyl-prolyl cis-trans isomerase, Peptidyl-prolyl cis-trans isomerase FKBP4, Peptidylprolyl cis trans isomerase, PPIase, PPIase FKBP4, Rotamase, T cell FK506 binding protein 59kD.
Calculated MW	Calculated MW: 52 kDa; Observed MW: 52 kDa
Uniprot ID	Q02790
Gene ID	2288
Background	The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It has high structural and functional similarity to FK506-binding protein 1A (FKBP1A), but unlike FKBP1A, this protein does not have immunosuppressant activity when complexed with FK506. It interacts with interferon regulatory factor-4 and plays an important role in immunoregulatory gene expression in B and T lymphocytes. This encoded protein is known to associate with phytanoyl-CoA alpha-hydroxylase. It can also associate with two heat shock proteins (hsp90 and hsp70) and thus may play a role in the intracellular trafficking of hetero-oligomeric forms of the steroid hormone receptors. This protein correlates strongly with adeno-associated virus type 2 vectors (AAV) resulting in a significant increase in AAV-mediated transgene expression in human cell lines. Thus this encoded protein is thought to have



Western blot analysis of FKBP52 in Raw264.7 lysates using FKBP52 antibody.



Western blot analysis of FKBP52 in U2OS, C6 lysates using FKBP52 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using FKBP52 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.